

FIG.1

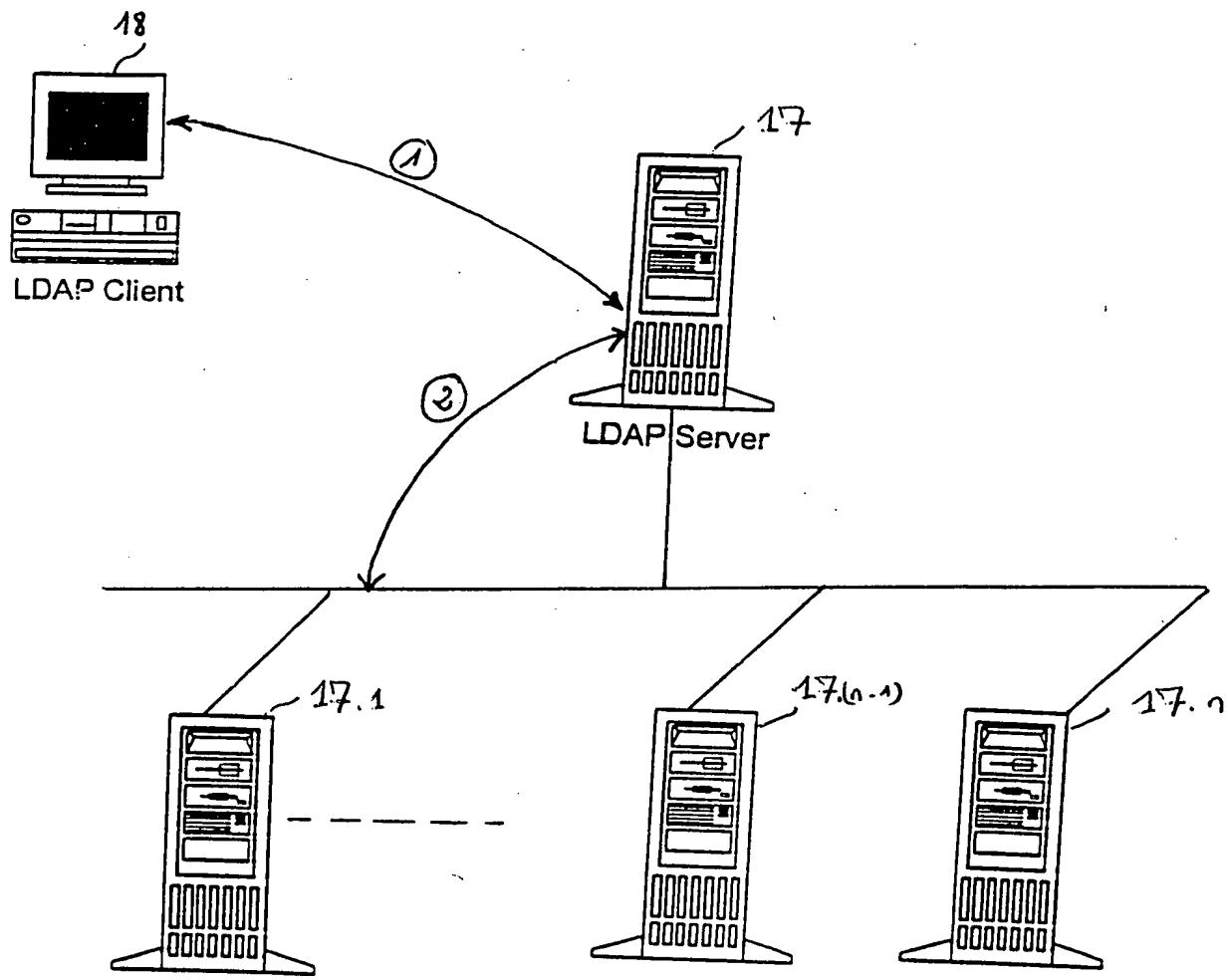


FIG. 2.

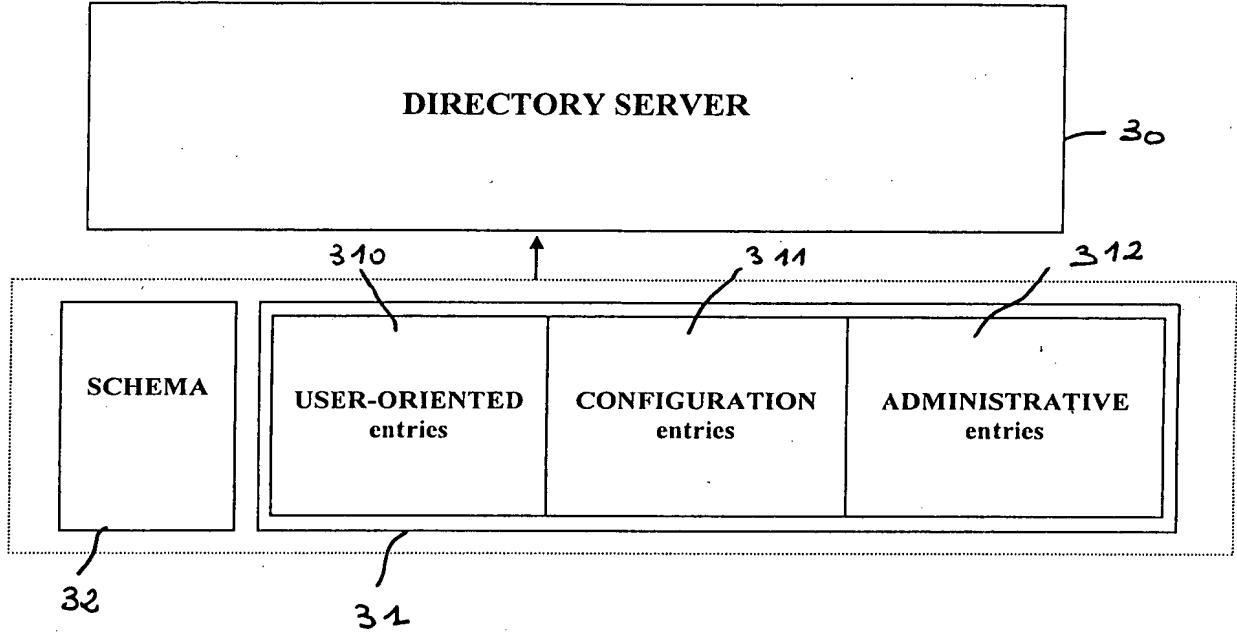


FIG 3

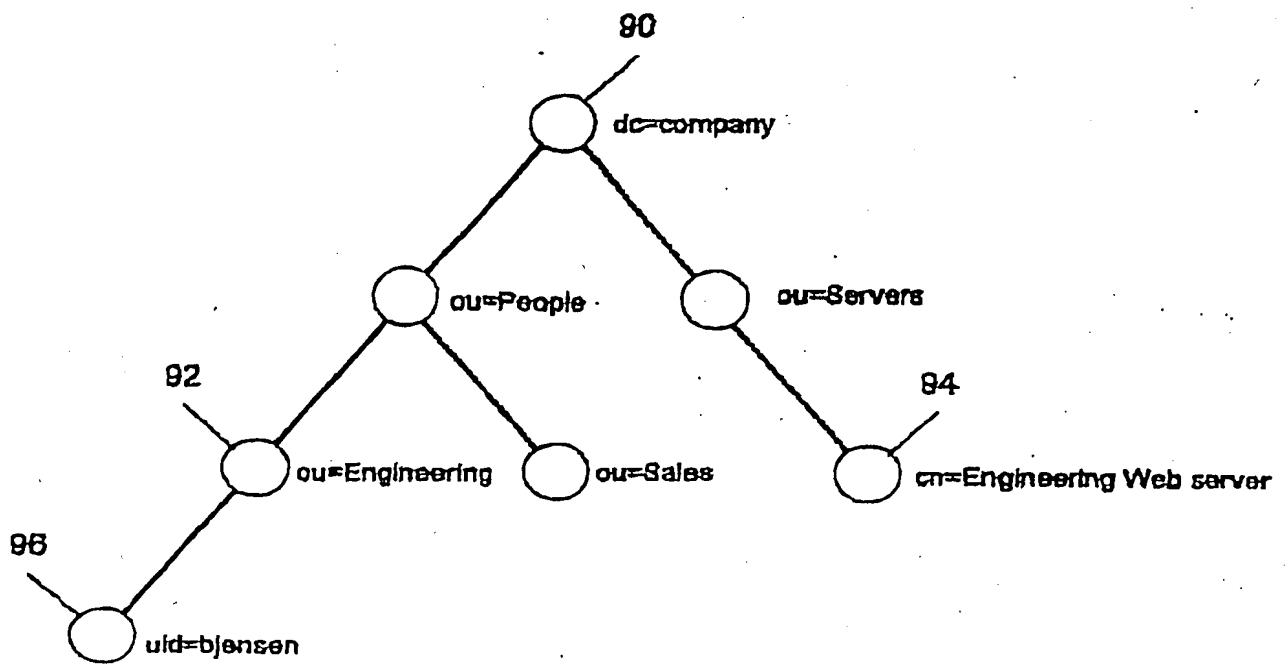


FIG 4

(PRIOR ART)

Entry 404

Attribute type 400

Attribute value 402

dn :	uid=Joe, ou=people, dc=france, dc=sun, dc=com
objectClass :	top
objectClass :	person
objectClass :	organizationalPerson
objectClass :	inetOrgPerson
cn :	Joe
sn :	Rayan
uid :	joerayan
mail :	joerayan@sun.com
phoneNumber :	778

Fig 5

(PRIOR ART)

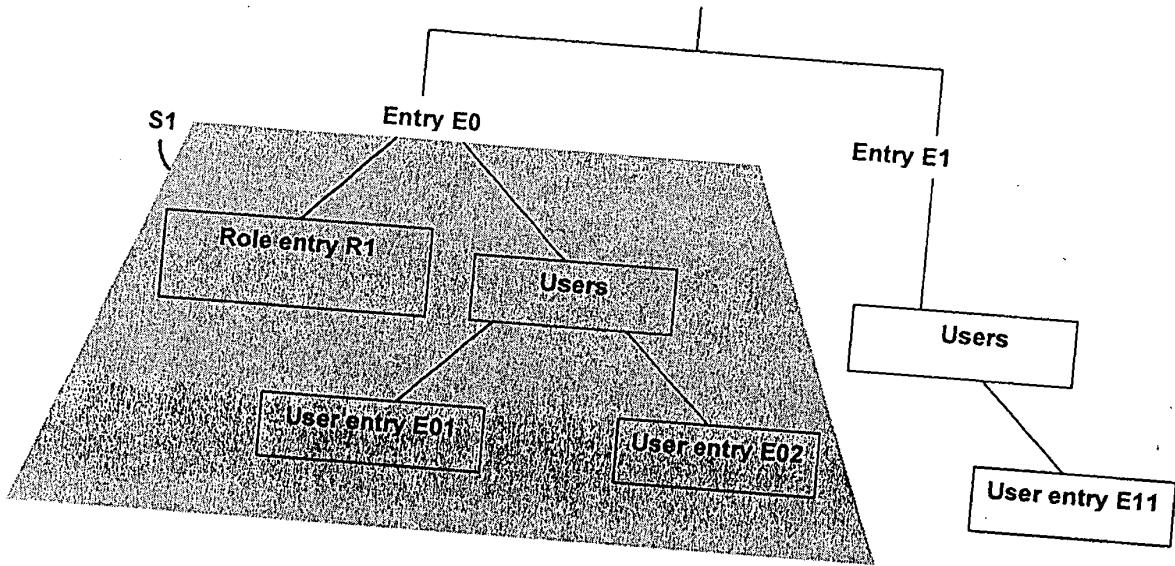


FIG 6

(PRIOR ART)

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Role Type	Object Classes	Attributes
Managed Role	nsSimpleRoleDefinition nsManagedRoleDefinition	description (optional)
Filtered Role	nsComplexRoleDefinition nsFilteredRoleDefinition	NsRoleDN description (optional)
Nested Role	nsComplexRoleDefinition nsNestedRoleDefinition	NsRoleDN description (optional)

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Figure 7
(PRIOR ARE)

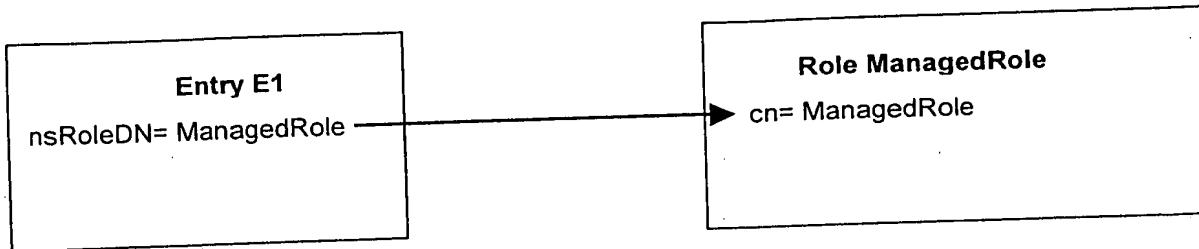


FIG 8a

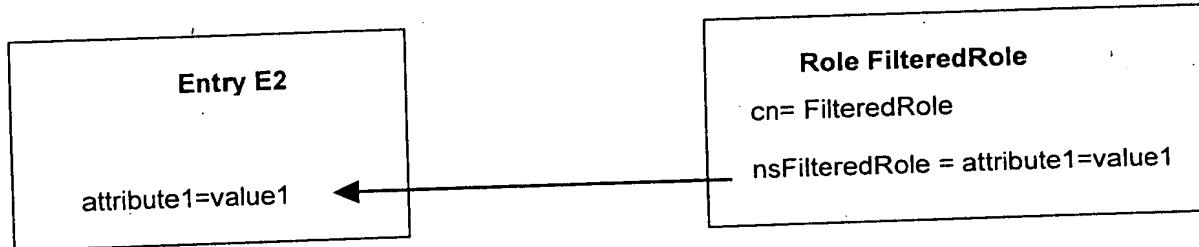


FIG 8b

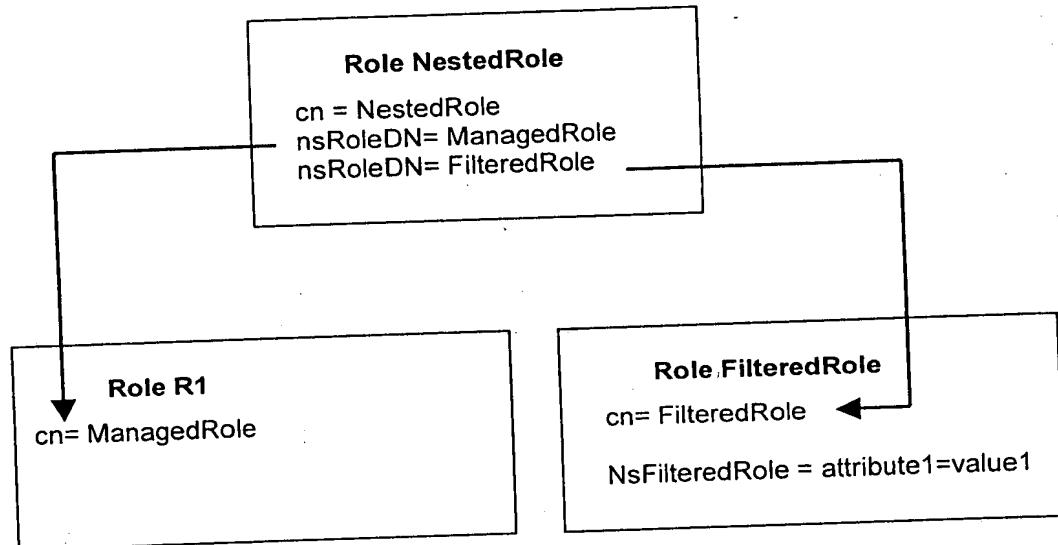


FIG 8c

(PRIOR ART)

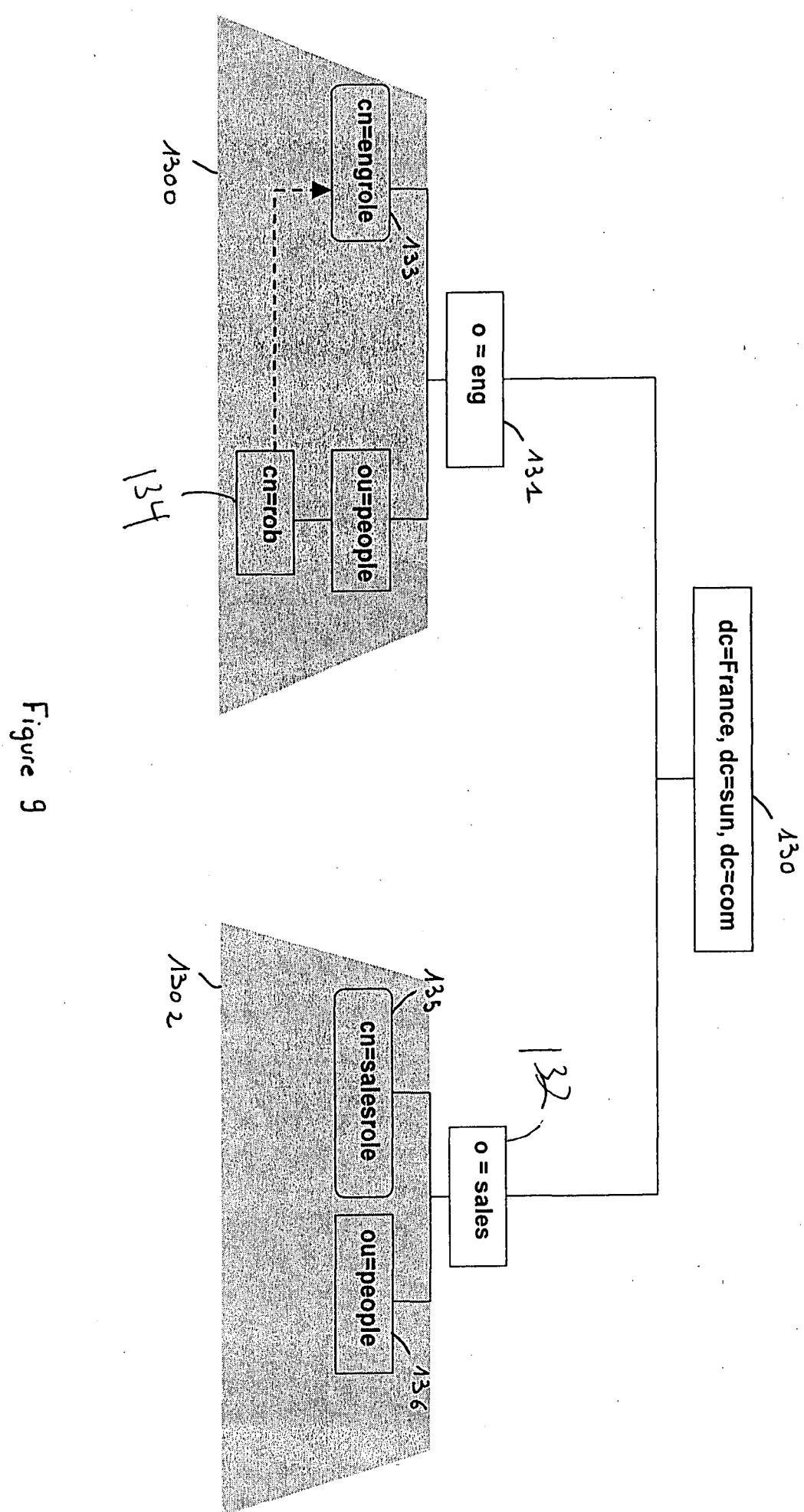


Figure 9

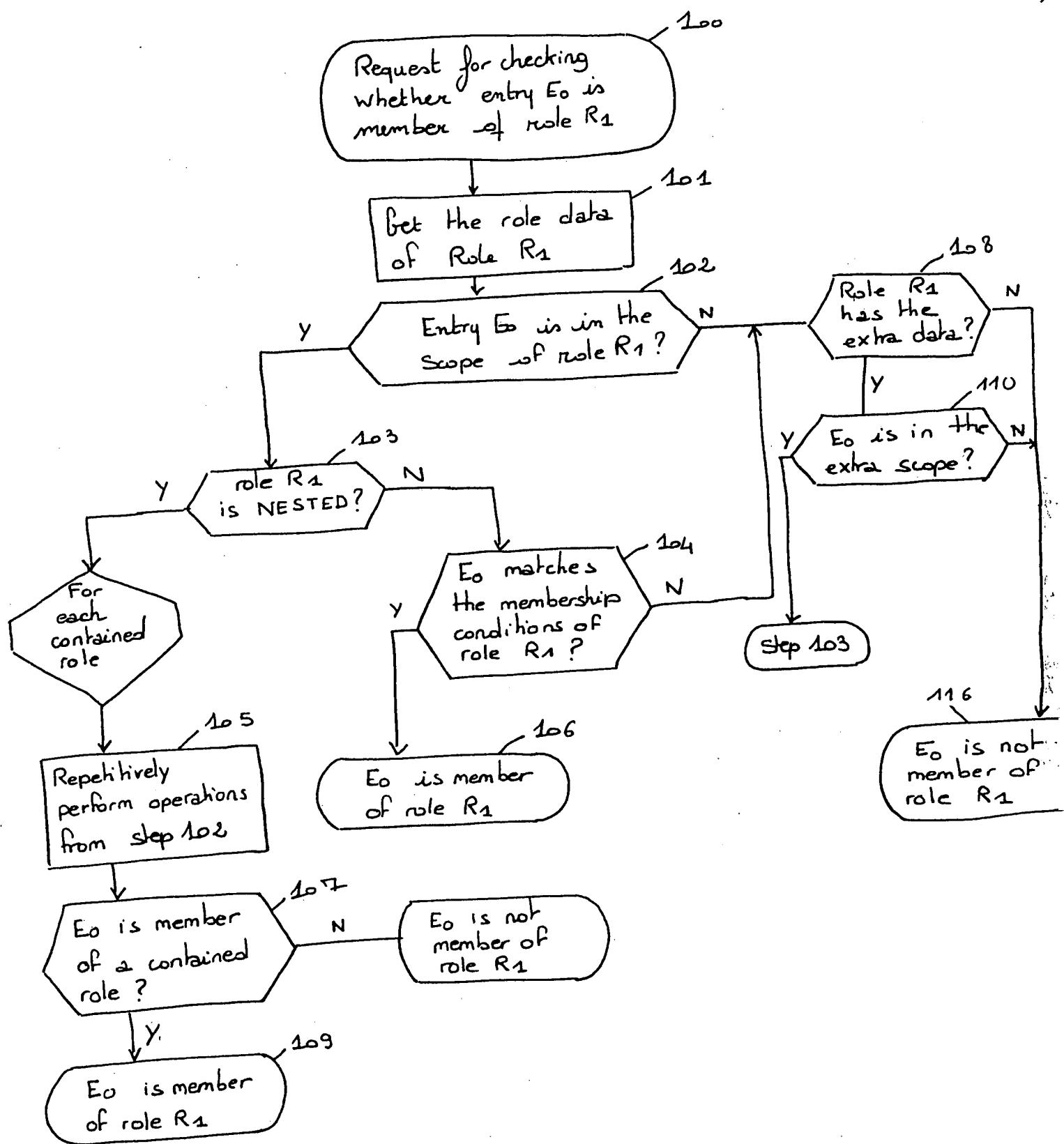


Figure 10

ATTRIBUTES	ATTRIBUTE VALUES
<i>dn</i>	distinguished name of the nested role
<i>objectclass</i>	object classes of the nested role
<i>nsRoleScopeDn</i>	distinguished name of the extended scope
<i>nsRoleDn</i>	distinguished names of the roles contained by the nested role

Figure 11

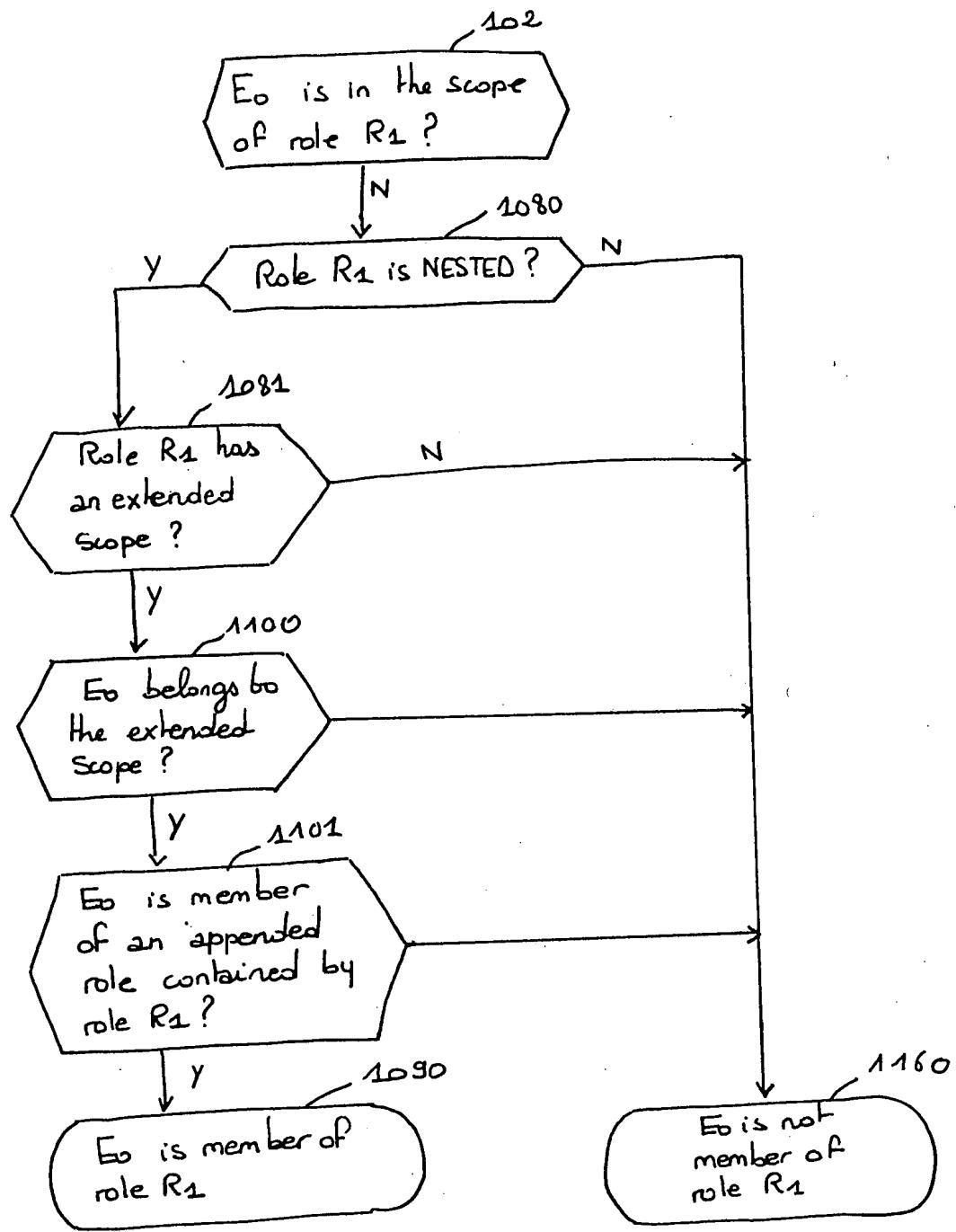
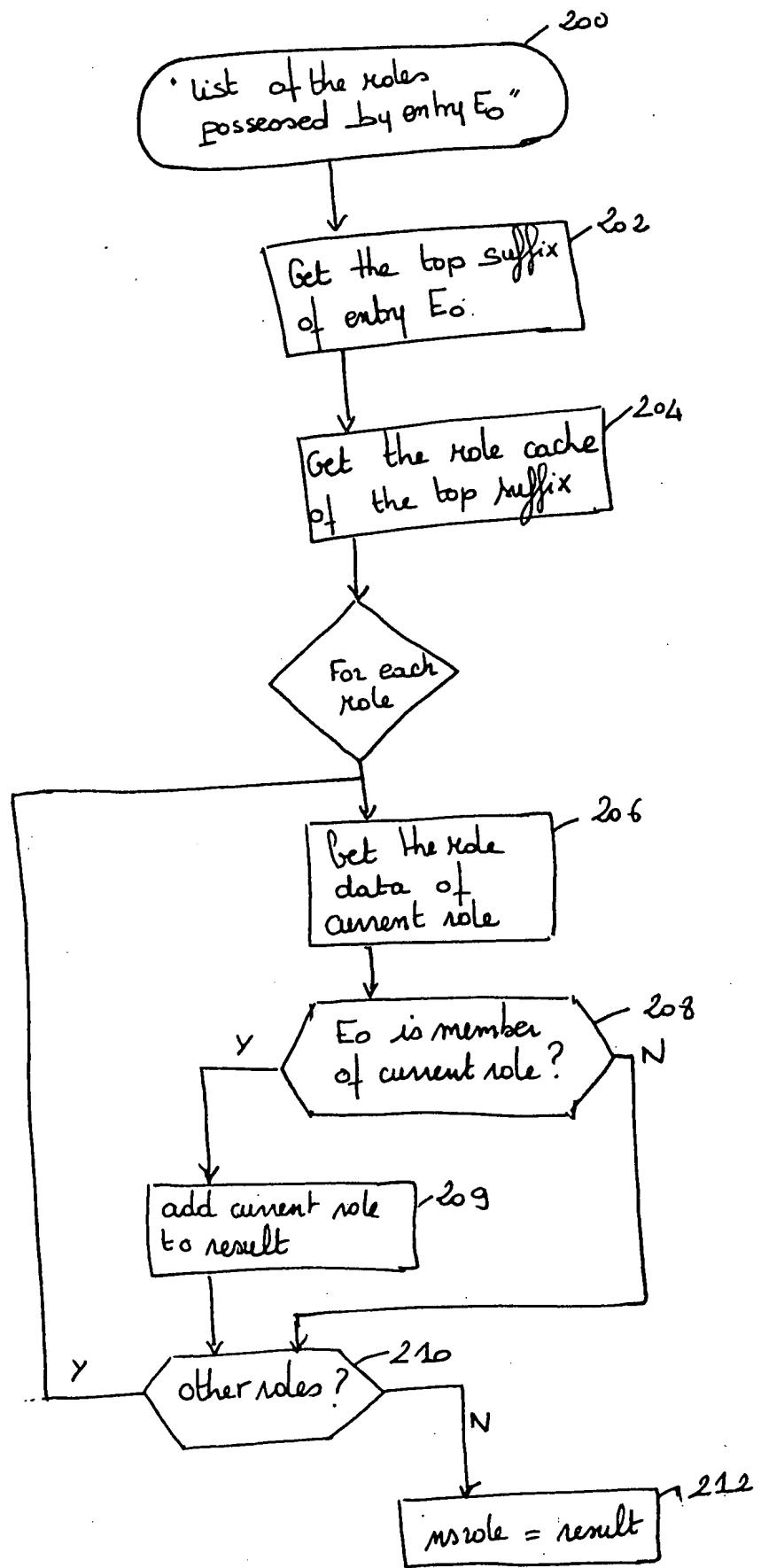


Figure 12



(prior art)

FIG. 13a

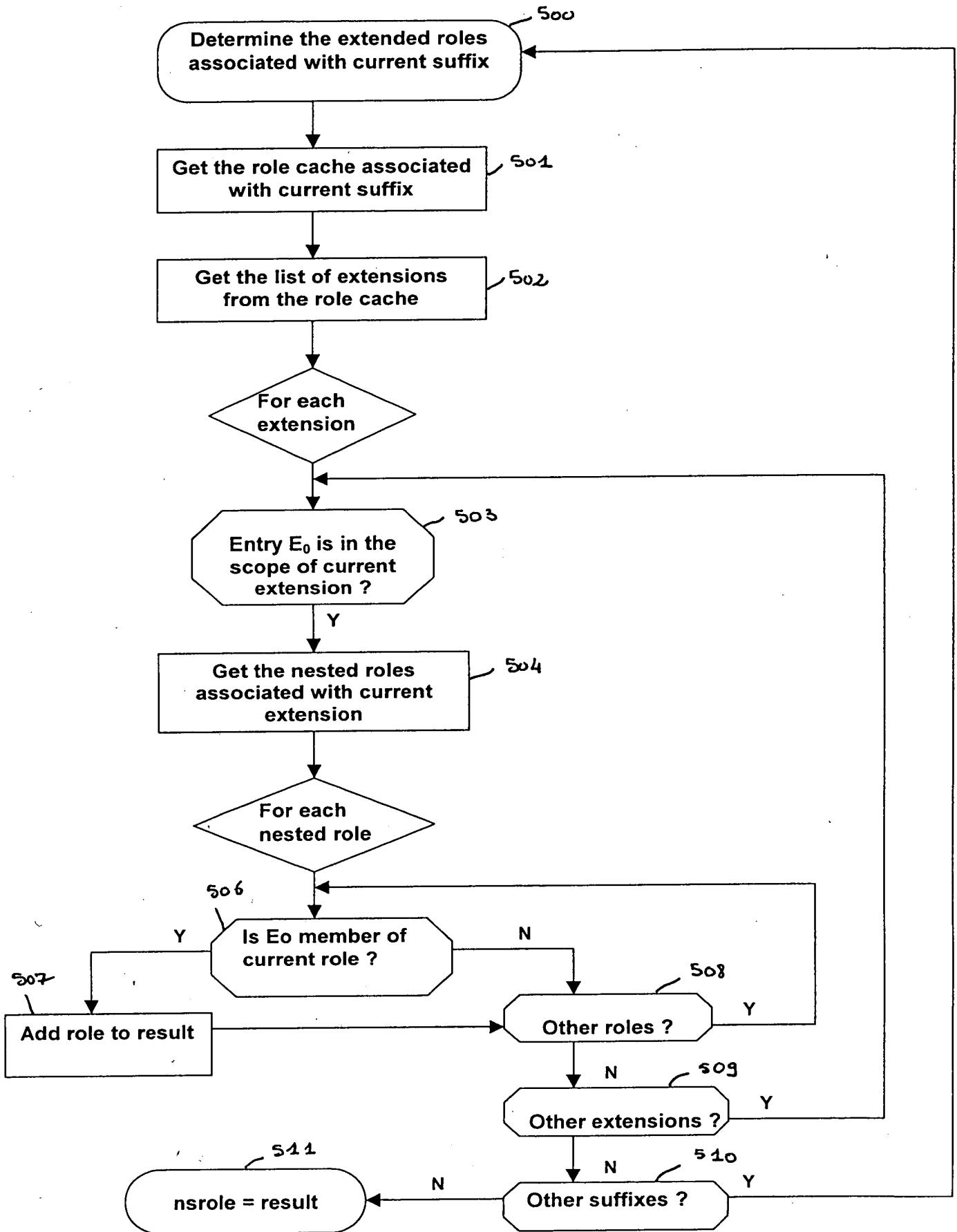


Fig. 13b

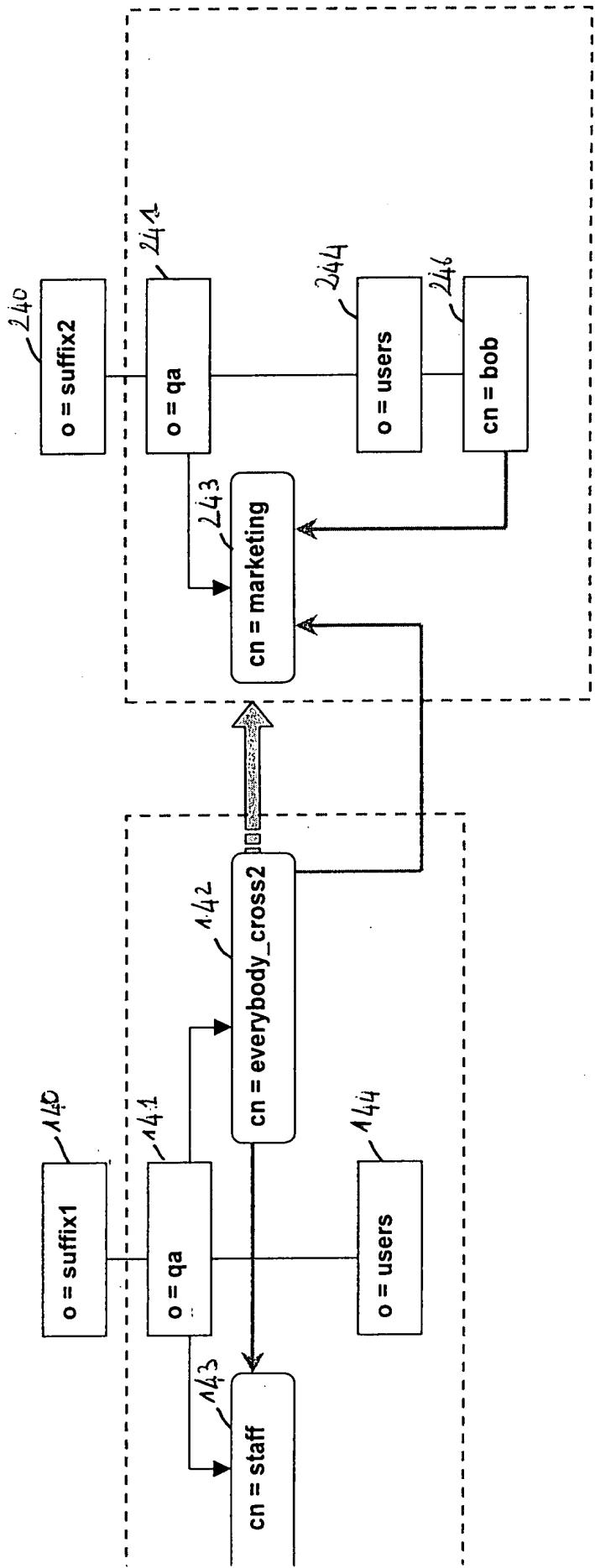


FIG. 14

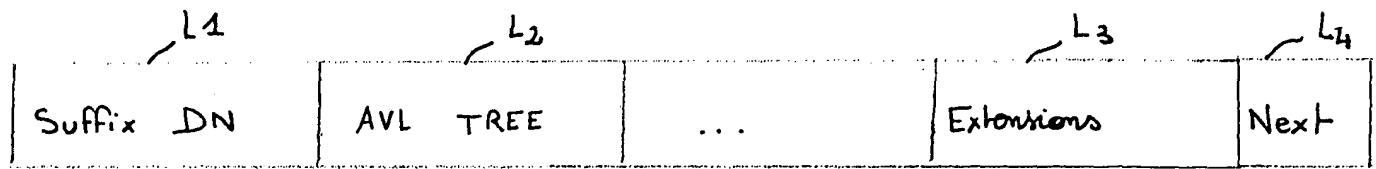


FIG. 15.a

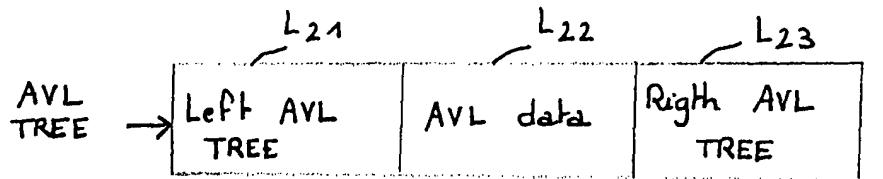


FIG. 15.b

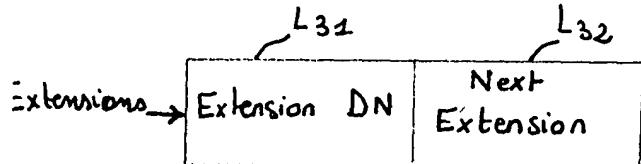


FIG. 15.c

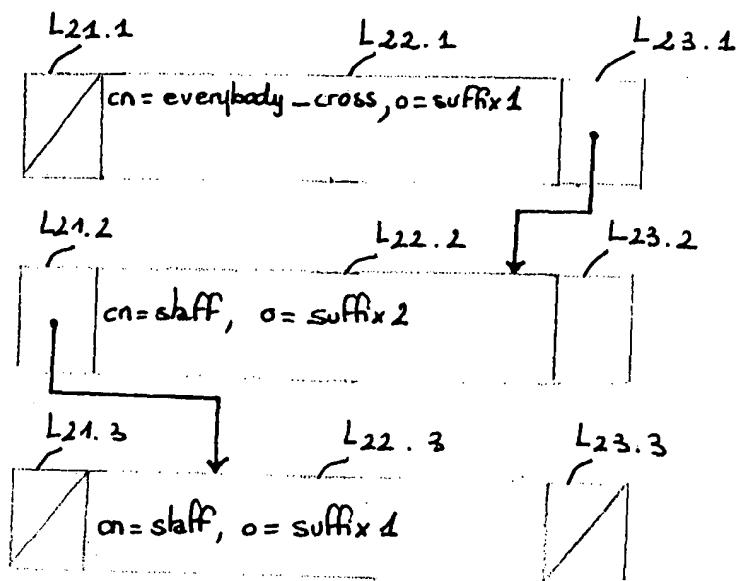


FIG. 16

L221	L222	L223	L224
Role DN	Role Type	Scope extension DN	AVL TREE

FIG. 17

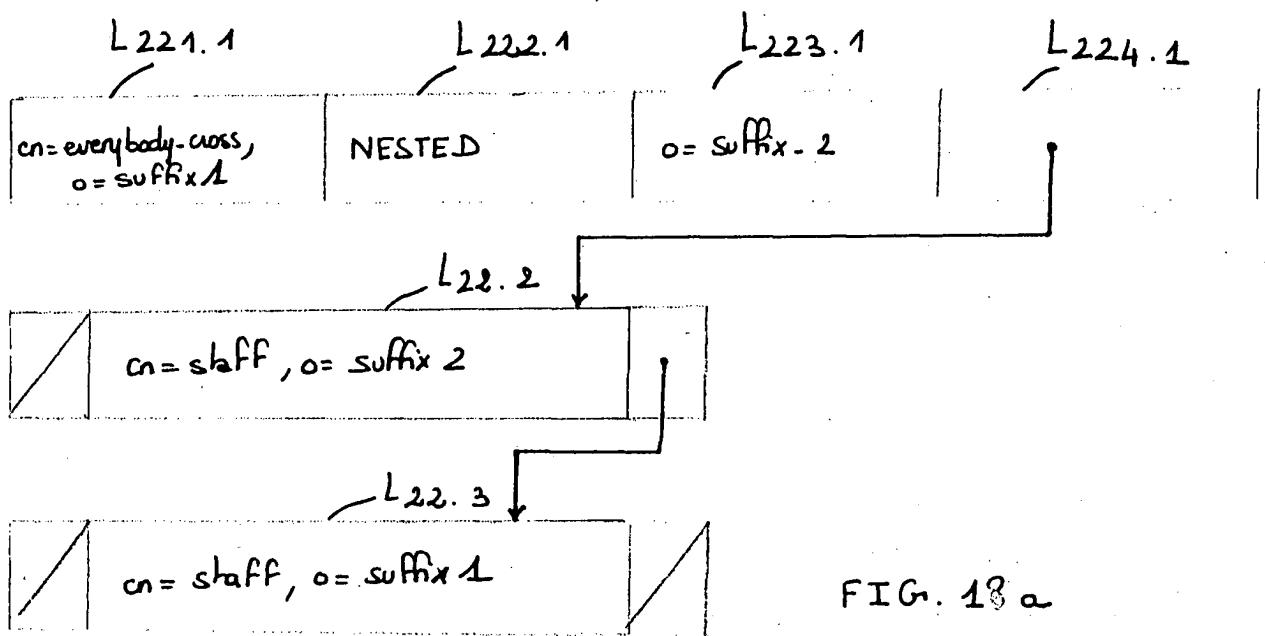


FIG. 18 a

L221.2	L222.2
cn=staff, o=suffix2	MANAGED

FIG. 18 b

L221.3	L222.3
cn=staff, o=suffix1	MANAGED

FIG. 18 c

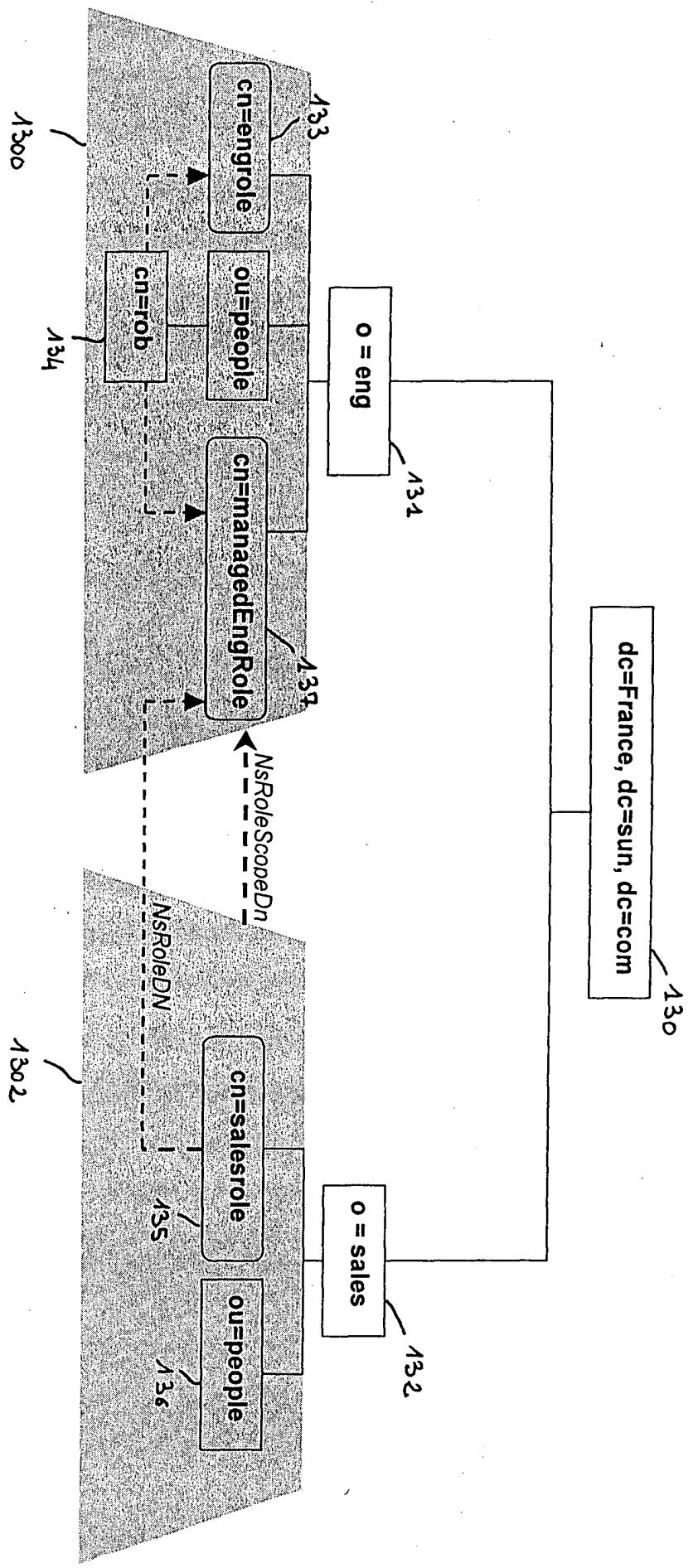


Figure 19